

INS AS7 CLAIMS:

1. A camera comprising:
 - a lens system for focusing the image of a subject on a sensitive plate,
 - an image processing device utilizing filters for performing an image compression transformation,
- 5 - a control system acting on the lens system to ensure a sharp image of the subject on the sensitive plate, the system comprising at least a first high-pass image filter and a first low-pass image filter in the form of summers of the results of the compression transformation,
characterized in that said image filters utilize filters of the image processing device.
- 10 2. An apparatus as claimed in claim 1, characterized in that the summers are filters adapted to the said compression of the wavelets.
- 15 A 3. An apparatus as claimed in claim 1 ~~or 2~~, characterized in that the summers are filters adapted to the standard called JPEG 2000.
- 20 DA 4. An apparatus as claimed in ~~one of the claims 1 to 3~~ ^{claim 1} comprising a plurality of image processing filters among which are high-pass and low-pass filters, characterized in that the output of at least one of the high-pass filters is estimated while taking the value of the output of a low-pass filter into account.
- A 5. A method utilized in an apparatus as claimed in ~~one of the claims 1 to 4~~ ^{claim 1} comprising an image processing circuit formed by high-pass and low-pass image filters, characterized in that it comprises the following steps:
 - estimation of the value of the output of at least one of said high-pass filters,
 - normalization of this value by means of the value of the output of a low-pass filter,
 - control of the focusing system with a view to obtaining a maximum value of the normalized signal,

release for taking the photo if the normalized value exceeds a certain threshold.

6. A method as claimed in claim 5, characterized in that it further includes the
5 following steps when said threshold value is not exceeded:

- estimation of another value coming from one of said high-pass filters,
- release for taking the photo if this other value exceeds a threshold,
- taking another output of another high-pas filter into account if the latter threshold is not exceeded.